

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5017	((84/600-616) or (84/622-635) or (84/637-638) or (84/645) or (84/647-651) or (84/653-667) or (84/669)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/04 16:45
S2	4921	((84/735-746) or (84/19-29) or (84/33-38) or (84/170-172) or (84/174) or (84/189-199) or (84/216-218) or (84/225-234)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/04 16:46
S3	187	(S1 or S2) and ((harmonic or harmonic\$4 or resonat\$3 or resonanc\$2 or harmon\$3 or harmoniz\$5 or sympatheti\$5) near5 (sound or note or resonat\$3 or resonanc\$2 or pitc\$3 or frequenc \$3)).ab.	US-PGPUB; USPAT	ADJ	ON	2007/12/04 16:50
S4	175	S3 and (digital or processor or processing or circui\$4 or electroni\$5 or electrica\$3)	US-PGPUB; USPAT	ADJ	ON	2007/12/04 16:51
S5	114	S3 and (digital or processor or processing or circui\$4 or electroni\$5 or electrica\$3).ab.	US-PGPUB; USPAT	ADJ	ON	2007/12/04 16:52

S6	80	S5 and ((depres\$4 or pres\$4 or play or play\$3 or pus\$4 or hit or hitting) near3 (key or keyboard or note or pitch))	US-PGPUB; USPAT	ADJ	ON	2007/12/04 16:54
S7	71	S6 and (piano or keyboard or synthesizer)	US-PGPUB; USPAT	ADJ	ON	2007/12/04 16:57
S8	652	(sato near3 hiroshi).in.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/12/05 07:44
S10	17	S8 and ((harmonic or harmonic\$4 or resonat\$3 or resonanc\$2 or harmon\$3 or harmoniz\$5 or sympatheti\$5) near5 (sound or note or resonat\$3 or resonanc\$2 or pitc\$3 or frequenc\$3))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/12/05 07:45
S11	10	S10 and (key or keyboard or piano)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/12/05 07:45
S13	150	(84/662).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/05/18 16:37
S14	36210	"84".clas.	US-PGPUB; USPAT	ADJ	ON	2009/12/04 12:58
S15	4894	S14 and (piano or keyboard or key).ab,ti.	US-PGPUB; USPAT	ADJ	ON	2009/12/04 12:59
S17	25	S15 and ((volume or amplitude or magnitude or loud\$4 or soft\$4 or quiet\$4) near5 ((position\$4 or locat\$4 or side or area or octave or portion or segment) near3 (key or keyboard or piano)).ab,clm.	US-PGPUB; USPAT	ADJ	ON	2009/12/04 13:02

S18	127	S15 and ((volume or amplitude or magnitude or loud \$4 or soft\$4 or quiet\$4) near5 ((position\$4 or locat\$4 or side or area or octave or portion or segment) near3 (key or keyboard or piano)))	US-PGPUB; USPAT	ADJ	ON	2009/12/04 13:08
S19	102	S18 not S17	US-PGPUB; USPAT	ADJ	ON	2009/12/04 13:09
S20	11	S19 and ((play\$4 or sound\$3 or depress\$4 or actuatu\$4 or press \$4 or forc\$4) near5 (consecutiv \$4 or delay\$3 or already or previous\$3 or before or earl\$4 or prior or preced \$4 or former or past or sooner)). ab,clm,ti.	US-PGPUB; USPAT	ADJ	ON	2009/12/04 13:21
S21	36210	"84".clas.	US-PGPUB; USPAT	ADJ	ON	2009/12/05 08:11
S22	4894	S21 and (key or keyboard or piano).ab,ti.	US-PGPUB; USPAT	ADJ	ON	2009/12/05 08:11
S23	255	S22 and ((play\$4 or sound\$3 or depress\$4 or actuatu\$4 or press \$4 or forc\$4) near5 (delay\$3 or already or previous\$3 or before or earl\$4 or prior or preced \$4 or past or former\$3 or sooner)).ab,clm,ti.	US-PGPUB; USPAT	ADJ	ON	2009/12/05 08:12

S25	128	S23 and ((play\$4 or sound\$3 or depress\$4 or actuat\$4 or press \$4 or forc\$4) near3 (octave or third or fifth or fourth or relation \$4 or interval))	US-PGPUB; USPAT	ADJ	ON	2009/12/05 08:14
S26	69	S25 and ((play\$4 or sound\$3 or depress\$4 or actuat\$4 or press \$4 or forc\$4) near3 (already or previous\$3))	US-PGPUB; USPAT	ADJ	ON	2009/12/05 08:15
S27	49	S26 and keyboard. ab,clm.	US-PGPUB; USPAT	ADJ	ON	2009/12/05 08:15
S30	36641	"84".clas.	US-PGPUB; USPAT	ADJ	ON	2010/05/11 10:38
S31	4966	S30 and (piano or keyboard or key). ab,ti.	US-PGPUB; USPAT	ADJ	ON	2010/05/11 10:38
S33	714	S31 and ((relat\$4 or interval\$4) near5 ((key or note or pitch or tone or tonal\$3) near3 (play\$4 or press\$4 or depress \$4 or actuat\$4)))	US-PGPUB; USPAT	ADJ	ON	2010/05/11 10:40
S34	455	S33 and ((sens\$4 or detect\$4 or observ\$5 or determin\$4) near5 ((key or note or pitch or tone or tonal\$3) near3 (play\$4 or press\$4 or depress \$4 or actuat\$4)))	US-PGPUB; USPAT	ADJ	ON	2010/05/11 10:41

S36	308	S34 and (((another or different or plurality or multiple or many or several) near3 (key or note or pitch or tone or tonal\$3) near5 (play\$4 or press \$4 or depress\$4 or actuat\$4))	US-PGPUB; USPAT	ADJ	ON	2010/05/11 10:43
S37	9	S36 and ((generat\$4 or play\$4 or produc\$4 or reproduc\$4 or sound\$4 or provid\$4) near3 (resonanc\$4 or resonat\$4 or sympathetic\$4 or harmon\$4 or harmonic\$4)).ab, ti.	US-PGPUB; USPAT	ADJ	ON	2010/05/11 10:46
S38	26	S34 and (((another or different or plurality or multiple or many or several) near3 (key or note or pitch or tone or tonal\$3) near5 (play\$4 or press \$4 or depress\$4 or actuat\$4)).ab, ti.	US-PGPUB; USPAT	ADJ	ON	2010/05/11 11:09

### EAST Search History (Interference)

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5/21/2010 6:17:03 PM

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